AMENDMENTS TO THE CLAIMS

Please amend claims 1, 6, 7, 15, 16, 20, 23 and 24 as follows.

1. (Currently Amended) A method of managing a distributed transaction, the method comprising the steps of:

~~gathering~~generating latency information by monitoring latency of a network;

wherein generating said latency information includes generating a set of one or more transit times, wherein each of said set of one or more transit times reflects a period of time between when a message is transmitted over the network from a sender to a receiver and when the message is received;

generating one or more time period values based on said latency information;

determining whether to terminate distributed transactions based on said one or more time period values;

determining whether said latency information indicates that changes in the latency of said network satisfy adjustment criteria;

if said latency information indicates that changes in the latency of said network satisfy adjustment criteria, then adjusting said one or more time period values;

after a coordinator of said distributed transaction determines to initiate commitment of said distributed transaction, a coordinating initiating commitment of said distributed transaction; and

after said coordinator initiates commitment of said distributed transaction, then determining whether to terminate said distributed transaction based on said one or more time period values.

2. (Previously Presented) The method of Claim 1, wherein a participant participating in said distributed transaction executes a transaction of said distributed transaction and terminates said transaction based on termination criteria that includes at least one criterion based on a particular value from said one or more time period values.

3. (Previously Presented) The method of Claim 2, wherein said distributed transaction is managed by said coordinator, said coordinator cooperating with said participant to execute the distributed transaction by communicating messages with the participant over the network.

4. (Original) The method of Claim 3, wherein the step of communicating with the participant over the network is performed using a stateless protocol.

5. (Original) The method of Claim 4, wherein the stateless protocol is HTTP or HTTPS.

6. (Currently Amended) The method of Claim 3, wherein said ~~particular value is~~one or more transit times are based on a period of time between when a message is transmitted between said coordinator and said participant and when an acknowledgement that the message has been received is received by the originator of the message.

7. (Currently Amended) The method of Claim 1, wherein:
said one or more time period values includes a particular value;

~~the step of monitoring includes generating a set of one or more transit times,~~ wherein each of said set of one or more transit times reflects a period of time between when a message is transmitted over the network from a sender to a receiver and when the sender receives an acknowledgement from the receiver that the receiver has received the message; and

wherein said adjustment criteria includes a criterion that each of said set of one or more transit times lie outside a range associated with said particular value.

8. (Original) The method of Claim 7, wherein the step of generating a set of one or more transit times includes the step of generating at least two transit times.

9. (Original) The method of Claim 7, wherein the step of generating a set of one or more transit times is performed by pinging a server connected to a particular network.

10. (Original) The method of Claim 2, further including the step of determining a transaction execution threshold period that reflects a period of time needed for said participant to execute operations for transactions, wherein said particular value is based on said transaction execution threshold period.

11. (Previously Presented) The method of Claim 2, wherein:

said transaction specifies a modification to an item of data; and

said participant determines whether said transaction satisfies termination criteria before allowing another modification specified by another transaction for said item of data.

12. (Previously Presented) A method of managing a distributed transaction, the method comprising the steps of:

determining a set of one or more transaction execution periods for transactions executed by a participant that participates in distributed transactions, wherein each transaction execution period of said set of one or more transaction execution periods reflects the period of time that elapsed for said participant to execute said each transaction;

if a difference between each of said set of one or more transaction execution periods and a transaction execution threshold period satisfies adjustment criteria, then adjusting said transaction execution threshold period;

wherein termination criteria is based on said transaction execution threshold period; and

wherein said termination criteria is used for determining whether to terminate said distributed transaction after a coordinator of said distributed transaction initiates commitment of said distributed transaction.

13. (Original) The method of Claim 12, wherein said adjustment criteria include a criterion that said difference is so great that each of said set of one or more transaction execution periods lies outside a range based on said transaction execution threshold period.

14. (Original) The method of Claim 12, further including the steps of

monitoring a network for changes in latency of the network; and

generating one or more time period values based on said changes in latency, wherein said termination criteria include a criterion based on said one or more time period values.

15. (Currently Amended) A method of managing a distributed transaction, the method comprising the steps of:

monitoring latency of a network~~,~~;

wherein said ~~latency of said network is used to generate~~step of monitoring includes generating a set of one or more transit times, wherein each of said set of one or more transit times reflects a period of time between when a message is transmitted over the network from a sender to a receiver and when the message is received by the receiver;

based on the one or more transit times, generating one or more time period values used to determine whether to terminate distributed transactions after a coordinator of said distributed transaction initiates commitment of said distributed transaction; and

if changes in latency satisfy adjustment criteria, then adjusting said one or more time period values used for determining whether to terminate said distributed transaction after a coordinator of said distributed transaction initiates commitment of said distributed transaction.

16. (Currently Amended) A computer-readable medium carrying one or more sequences of instructions for managing a distributed transaction, wherein execution of the one or

more sequences of instructions by one or more processors causes the one or more processors to perform the steps of:

~~gathering~~generating latency information by monitoring latency of a network;

wherein generating said latency information includes generating a set of one or more transit times, wherein each of said set of one or more transit times reflects a period of time between when a message is transmitted over the network from a sender to a receiver and when the message is received;

generating one or more time period values based on said latency information;

determining whether to terminate distributed transactions based on said one or more time period values;

determining whether said latency information indicates that changes in the latency of said network satisfy adjustment criteria;

if said latency information indicates that changes in the latency of said network satisfy adjustment criteria, then adjusting said one or more time period values;

after a coordinator of said distributed transaction determines to initiate commitment of said distributed transaction, a coordinating initiating commitment of said distributed transaction; and

after said coordinator initiates commitment of said distributed transaction, then determining whether to terminate said distributed transaction based on said one or more time period values.

17. (Previously Presented) The computer-readable media of Claim 16, wherein a participant participating in said distributed transaction executes a transaction of said distributed transaction and terminates said transaction based on termination criteria

that includes at least one criterion based on a particular value from said one or more time period values.

18. (Previously Presented) The computer-readable media of Claim 17, wherein said distributed transaction is managed by said coordinator, said coordinator cooperating with said participant to execute the distributed transaction by communicating messages with the participant over the network.

19. (Previously Presented) A computer-readable medium carrying one or more sequences of instructions for managing a distributed transaction, wherein execution of the one or more sequences of instructions by one or more processors causes the one or more processors to perform the steps of:

determining a set of one or more transaction execution periods for transactions executed by a participant that participates in distributed transactions, wherein each transaction execution period of said set of one or more transaction execution periods reflects the period of time that elapsed for said participant to execute said each transaction;

if a difference between each of said set of one or more transaction execution periods and a transaction execution threshold period satisfies adjustment criteria, then adjusting said transaction execution threshold period;

wherein termination criteria is based on said transaction execution threshold period; and

wherein said termination criteria is used for determining whether to terminate said distributed transaction after a coordinator of said distributed transaction initiates commitment of said distributed transaction.

20. (Currently Amended) A computer-readable medium carrying one or more sequences of instructions for managing a distributed transaction, wherein execution of the one or more sequences of instructions by one or more processors causes the one or more processors to perform the steps of:

monitoring latency of a network~~,~~;

wherein said ~~latency of said network is used to generate~~step of monitoring includes generating a set of one or more transit times, wherein each of said set of one or more transit times reflects a period of time between when a message is transmitted over the network from a sender to a receiver and when the message is received by the receiver;

based on the one or more transit times, generating one or more time period values used to determine whether to terminate distributed transactions after a coordinator of said distributed transaction initiates commitment of said distributed transaction; and

if changes in latency satisfy adjustment criteria, then adjusting said one or more time period values used for determining whether to terminate said distributed transaction after a coordinator of said distributed transaction initiates commitment of said distributed transaction.

21. (Previously Presented) The computer-readable medium of Claim 18, wherein the step of communicating with the participant over the network is performed using a stateless protocol.

22. (Previously Presented) The computer-readable medium of Claim 21, wherein the stateless protocol is HTTP or HTTPS.

23. (Currently Amended) The computer-readable medium of Claim 18, wherein said ~~particular value is~~one or more transit times are based on a period of time between when a message is transmitted between said coordinator and said participant and when an acknowledgement that the message has been received is received by the originator of the message.

24. (Currently Amended) The computer-readable medium of Claim 16, wherein:

said one or more time period values includes a particular value;

~~the step of monitoring includes generating a set of one or more transit times,~~ wherein each of said set of one or more transit times reflects a period of time between when a message is transmitted over the network from a sender to a receiver and when the sender receives an acknowledgement from the receiver that the receiver has received the message; and

wherein said adjustment criteria includes a criterion that each of said set of one or more transit times lie outside a range associated with said particular value.

25. (Previously Presented) The computer-readable medium of Claim 24, wherein the step of generating a set of one or more transit times includes the step of generating at least two transit times.

26. (Previously Presented) The computer-readable medium of Claim 24, wherein the step of generating a set of one or more transit times is performed by pinging a server connected to a particular network.

27. (Previously Presented) The computer-readable medium of Claim 17, the steps further including the step of determining a transaction execution threshold period that reflects a period of time needed for said participant to execute operations for transactions, wherein said particular value is based on said transaction execution threshold period.

28. (Previously Presented) The computer-readable medium of Claim 17, wherein:
said transaction specifies a modification to an item of data; and
said participant determines whether said transaction satisfies termination criteria before allowing another modification specified by another transaction for said item of data.

29. (Previously Presented) The computer-readable medium of Claim 19, wherein said adjustment criteria include a criterion that said difference is so great that each of said set of one or more transaction execution periods lies outside a range based on said transaction execution threshold period.

30. (Previously Presented) The computer-readable medium of Claim 19, the steps further including the steps of:

monitoring a network for changes in latency of the network; and

generating one or more time period values based on said changes in latency, wherein said termination criteria include a criterion based on said one or more time period values.